CONTINUITY TESTING PROCEDURE FOR IMPRESSED CURRENT CATHODIC PROTECTION SYSTEMS

Fixed Cell - Moving Ground Continuity Test Procedure

- 1. Place reference electrode in contact with the soil at a location remote (25 100 feet) from all cathodically protected structures. You must ensure that the remote reference electrode placement is not in proximity to any other cathodic protection systems (e.g. natural gas pipelines) or directly over any buried metallic structure in order to minimize the chances of unwanted interference.
- Be sure that reference electrode is firmly placed in moist soil and is not in contact with any vegetation.
- 3. Connect reference electrode to the negative terminal of voltmeter using a long spool of suitable wire.
- 4. Connect positive lead wire to voltmeter. This lead wire should have a sharp test prod (scratch awl or similar) in order to assure good contact with the metallic structures under test.
- 5. Place voltmeter on 2 volt DC scale.
- 6. Contact each buried metallic structure with the positive test lead without moving the reference electrode. Typical items that would be tested during a continuity survey include: all tanks, tank risers, submersible pump heads, piping, flex connectors/swing joints, vent lines, electrical conduits, dispensers, utilities, etc.
- 7. Obtain voltage for each component and record on the continuity testing portion of the form DEP8052 and DEP8053.
- 8. Voltages for each component that is tested must be obtained as quickly as possible since the observed potential can change over time. This is because the conditions in the soil where the reference electrode is placed can change over a relatively short period of time.

Fixed Cell - Moving Ground Data Interpretation

- ➤ If two or more structures exhibit potentials that vary by 2 mV or less, the structures are considered to be electrically continuous.
- ➤ If two or more structures exhibit potentials that vary by 10 mV or greater, the structures are considered to be electrically isolated.
- If two or more structures exhibit potentials that vary by more than 2 mV but less than 10 mV, the result is inconclusive and further testing (point-to-point) is necessary.

Point-to-Point Continuity Test Procedure

- > Turn off power to rectifier if testing an impressed current system. This is necessary to obtain accurate results.
- Connect test leads to voltmeter. Both test leads should have a sharp test prod or suitable clip lead in order to make good contact with tested structures.
- > Place voltmeter on 2 volt (or lower) DC scale.
- > Connect one voltmeter test lead to one of the structures for which continuity is being tested and connect the other voltmeter test lead to the other structure that is being tested.
- > Record voltages observed on each of the two structures that are being compared and record on the continuity testing portion of the form DEP8052 and DEP8053.

Note: Testing with this method does not require a reference electrode. The two structures of interest are simply connected in parallel with the voltmeter and a determination made as to whether or not any potential difference exists between them.

Point-to-Point Data Interpretation

- If the voltage difference observed between the two structures is 1 mV or less, this indicates that the two structures are considered to be electrically continuous with each other.
- If the voltage difference observed between the two structures is 10 mV or greater, this indicates that the two structures are considered to be electrically isolated from each other.
- If the voltage difference observed between the two structures is greater than 1mV but less than 10 mV, the result is inconclusive and further testing beyond the scope of this document is necessary.

STRUCTURE-TO-SOIL TEST PROCEDURE FOR IMPRESSED CURRENT CATHODIC PROTECTION SYSTEMS

- Inspect rectifier for proper operation and document necessary information. This includes measurement of output voltage/amperage with a multimeter (do not rely on rectifier gauges) and measurement of individual anode circuits (if installation allows such). Record all necessary information under Section XI and XII of the impressed current cathodic protection system evaluation form DEP8053 form.
- 2. Place voltmeter on 2 volt DC scale.
- 3. Connect voltmeter negative lead to reference electrode.
- 4. Place reference electrode in clean soil directly over the structure that is being tested. At least one measurement must be taken for each tank the preferred test point is usually the center of the tank. Piping normally requires measurement at each end of the pipe.
 - > The reference electrode may not be placed on concrete or other paving materials.
 - Ensure that the reference electrode is placed in a vertical position (tip down).
 - > Ensure that the soil where the reference electrode is placed is moist add tap water if necessary.
 - > Ensure that the soil where the reference electrode is placed is not contaminated with hydrocarbons.
 - > Ensure that the reference electrode window is not exposed to direct sunlight.
- 5. Connect voltmeter positive lead to structure that is to be tested.
 - Ensure that good metal-to-metal contact is made between the test lead clip/probe and the structure.
 - Ensure that no corrosion exists where the test lead makes contact with the structure.
 - > Ensure that your body does not come into contact with the electrical connections.
 - Ensure that test leads are not submerged in any standing water.
 - > Ensure that test lead insulation is in good condition.
- 6. Obtain voltage potential with the protective current applied and record in the on column on the impressed current cathodic protection evaluation form DEP8053.
- 7. Without moving reference electrode from the position it was in during step 6 above, obtain voltage potential with the protective current temporarily interrupted and record in the instant off column on the impressed current cathodic protection evaluation form DEP8053.
 - > The instant off potential is the 2nd value that is observed on a digital voltmeter the instant the power is interrupted. The first number that appears immediately after power interruption must be disregarded. After the second number appears, a rapid decay (depolarization) of the structure will normally occur.
 - In order to obtain instant off potentials, a current interrupter or a 2nd person is necessary. If a current interrupter is not available, have the second person throw the power switch at the rectifier off for 3 seconds and then back on for 15 seconds. Repeat this procedure until you are sure an accurate instant off reading has been obtained.
- 8. Conduct 100 mV polarization decay if you are unable to obtain an instant off potential of -850 mV or more negative in step 7 above. (Note: While not a requirement of this form, consideration should be given to adjusting the rectifier output until an instant off potential of -850 mV is achieved or the maximum safe output is reached.) It is only necessary to conduct 100 mV polarization where the lowest (most positive) instant off potential is observed on the UST system.
 - > 100 mV of polarization is determined by leaving the power interrupted on the structure until a change of at least 100 mV in the structure-to-soil potential is observed. In calculating the 100 mV decay, the instant off potential obtained in Step 7 above is utilized as the starting point (e.g. if instant off = -800 mV, power must be left off until decayed to -700 mV).
 - Calculate voltage change by subtracting final (or ending) voltage from the instant off voltage and record these values in the appropriate columns on the impressed current cathodic protection evaluation form DEP8053.

Data Interpretation

> If the instant off potential is -850 mV or more negative, the 850 off criterion is satisfied and it is judged that adequate cathodic protection has been provided.

- ➤ If the instant off potential is more positive than -850 mV, the tank may or may not be adequately protected and a 100 mV polarization test is necessary.
- > If the structure exhibits more than 100 mV polarization, the 100 mV polarization criterion is met and it is judged that adequate cathodic protection has been provided. If you are unable to meet either the 850 instant off or the 100 mV polarization criteria, it is judged that adequate cathodic protection has not been provided and repairs/modification are indicated. Alternatively, a person qualified as a corrosion expert could evaluate/conduct the survey and determine that cathodic protection is adequate based on their interpretation.

	IZED INTERPRETATION OF STRUCTURE-TO-SOIL POTENTIAL MEASUREMENTS ES) OBTAINED ON IMPRESSED CURRENT CATHODIC PROTECTION SYSTEMS
Listed in this table are	some generalized observations that can be applied to the interpretation of structure-to-soil potentials. Depending on ons and other factors, differing interpretations are possible.
VOLTAGE (mV)	GENERALIZED INTERPRETATION
ANY POSITIVE VOLTAGE OR 0 TO -100 "ON" or "OFF"	Can indicate that the structure you are attempting to measure is not bonded to the impressed current system (conduct continuity testing). Stray current could be affecting the protected structure (consult a corrosion expert). Positive and negative wires could be reversed (negative must be to protected structure and positive to anode). Test leads are reversed (positive lead must contact structure and negative lead must be connected to reference electrode). Could indicate that you are measuring the potential of a copper wire.
-101 to -399 "ON" or "OFF"	Try again – A reading in this range is not normally seen on an underground steel structure. Could indicate that steel structure is electrically connected to a significant amount of a more noble metal (e.g. copper). Very corroded low carbon steel may also be indicated.
-400 to -599 "ON" or "OFF"	Usually means that the steel structure has no cathodic protection. Existing impressed current anodes could be completely "burned-out". Continuity of anode lead wires (positive circuit) could be broken. Negative bonds on the protected structures may be broken or non-existent.
-600 to -849 "ON" or "OFF"	Usually means that the steel structure has some protection but for whatever reason, something is causing a low reading that may indicate adequate cathodic protection has not been provided. The impressed current system may be trying to protect a structure that requires more current than it can produce (rectifier output too small). The impressed current system may not be capable of effectively distributing the required current to all parts of the structure you are trying to protect (not enough anodes, anodes improperly installed, soil resistivity too high). The steel structure that is intended to be protected may not be electrically continuous with the other metallic structures under protection (conduct continuity testing). The environmental conditions may not be favorable at the time you are attempting to obtain the reading. Retest during the next 90 days.
-850 or MORE NEGATIVE "ON"	Steel structure may or may not be adequately protected. Usually indicates that the impressed current system is providing current to the structure although the reading normally includes a large voltage (IR) drop. Because the flow of current through the soil causes a voltage drop, the on potential cannot be used to indicate that adequate cathodic protection has been provided. Instant off potentials must be utilized to demonstrate cathodic protection.
-850 or MORE NEGATIVE "OFF"	Steel structure protected by impressed current system meets regulatory requirements and cathodic protection is judged to be adequate. A potential measurement of -850 mV or more negative with the protective current temporarily interrupted (850 off) is considered to be the best indicator that adequate cathodic protection has been provided.
MORE NEGATIVE THAN -1220 mV "OFF"	Instant off potentials more negative than -1220 mV are theoretically not possible. If you observe an instant off potential more negative than -1220 mV, you should suspect stray current is affecting the protected structure. Consult a corrosion expert immediately since stray current can cause a rapid corrosion failure of the protected structure.
MORE NEGATIVE THAN -2000 "ON"	Usually means that a high resistance exists in the ground bed that is causing a large voltage drop. This condition is normally evident by checking the rectifier output since the voltage is very high but the amperage is relatively low. However, you should be cautious when abnormally high voltages are observed since this can have a detrimental effect on cathodically protected structures or the anodes may be rapidly depleted. Stray current may also be generated that can adversely affect other buried metallic structures such as waterlines and other utilities. Consult a corrosion expert whenever it is suspected that too much voltage is being generated.
VARIABLE "ON" or "OFF"	If the voltmeter readings vary, you should suspect that stray current may be affecting the cathodically protected structure. Sometimes, the stray current can cause a pattern to develop that is recognizable. An example would be the on/off pattern of a nearby DC powered welding operation. A corrosion expert must be contacted immediately since stray current can cause a corrosion failure in a relatively short period of time.
RAPIDLY FLUCTUATING "ON" or "OFF"	If the voltmeter will not stabilize, it usually means that there is a high electrical resistance somewhere. Check all lead wires and connections and make sure that you are making a solid and clean metal-to-metal connection. Soil where the reference electrode is placed could be too dry. Add water to the soil or wait until a heavy rain occurs and try again. Petroleum contaminated soils may cause a high contact resistance. The tip of the reference electrode may need to be cleaned or replaced.



KENTUCKY **DEPARTMENT FOR** ENVIRONMENTAL **PROTECTION**

Mail completed form to: **DIVISION OF WASTE MANAGEMENT UST BRANCH** 200 FAIR OAKS LANE, 2ND FLOOR FRANKFORT, KENTUCKY 40601 502-564-5981 www.waste.ky.gov/branches/ust

FOR OFFICE USE ONLY

IMPRESSED CURRENT CATHODIC PROTECTION SYSTEM EVALUATION

IIVIPR	にろうこり しひに	KENIC	AIRODIC	PROTECTION	ו כזכ אכ	WEVALUATION		
 This form should be utilized Access to the soil directly A site drawing depicting to 	over the cathodicall	y protected	structure that is b	eing evaluated mus	st be provided.	·		
	I. UST OWNER			II. SITE INFORMATION				
NAME:				NAME:		AI NUMBER:		
ADDRESS:				ADDRESS:				
CITY:			STATE:	CITY:		COUNTY:		
	III. CP TESTER				IV. CP TEST	ER'S QUALIFICATIONS		
TESTER'S NAME:				NACE INTERNATION	NAL CERTIFICATIO	N NUMBER:		
COMPANY NAME:				OTHER (EXPLAIN):				
ADDRESS:								
CITY:	STATE:	PHONE:						
	V. F	REASON	SURVEY WA	S CONDUCTE	D (MARK ONLY O	NE)		
☐ Routine – 3 year ☐ Date next cathodic protection			tallation 🗌 90-0	, ,		ey after repair/modification	- \	
Date flext cathodic protection			TECTION TE	STER'S EVAL		nstallation/repair & every 3 years thereafter)	
☐ PASS	All protected struct	ures at this	site pass the cath	nodic protection sur	vey and it is jud	ged that adequate cathodic protection	n has	
☐ FAIL		cted structui	res at this site fail			d it is judged that adequate cathodic p	rotection	
INCONCLUSIVE	If the remote and t	he local do r	not both indicate	the same test result		d structures (both pass or both fail), corrosion expert (complete Section V	 'II)	
I certify under penalty of law that I have p that the submitted information is true, accuration of fine and imprisonment.						DATE CP SURVEY PERFORM	ED:	
CP TESTER'S SIGNATURE:						1 1		
-				'S EVALUATIO				
b)stray current may be affecting b	ouried metallic structure	s or c) an inco	onclusive result was	s indicated in section \	√I.	enstruction of the impressed current system		
☐ PASS				nodic protection sur riteria applicable by		ged that adequate cathodic protectior Section VIII)	ı has	
☐ FAIL				•	,	d it is judged that adequate cathodic p mpletion of Section IX)	rotection	
CORROSION EXPERT'S NAME (pleas	se print)			COMPANY NAME:				
NACE INTERNATIONAL CERTIFICAT	ION:			NACE INTERNATIO	NAL CERTIFICATIO	N NUMBER:		
I certify under penalty of law that I have pe my inquiry of those individuals immediatel 224.99-010(4) provides for penalties for su	y responsible for obtaining the	e information, I ce	ertify that the submitted is	nformation is true, accurate,		DATE CP SURVEY PERFORM	ED:	
CORDOCION EXPERTIS SIGNATURE						1 1		
CORROSION EXPERT'S SIGNATURE		TERIA AF	PPLICABLE 1	O EVALUATIO	N (MARK ALL TH	AT APPLY)		
☐ 850 OFF				ive than -850 mV w ted. (Instant-off).	vith respect to a	Cu/CuSO ₄ reference electrode with the	ne	
☐ 100 mV POLARIZATION	Structure	e tested exh	ibits at least 100	mV of cathodic pola	arization.			
	IX. ACTION R	EQUIRED	AS A RESU	LT OF THIS EV	/ALUATION	(MARK ONLY ONE)		
☐ NONE		protection i		further action is necessary at this time. Test again 3 yrs from the date of this test.				
Cathodic protection may not be adequate. Retest during the next 90 days to determine if passing results can be								

Cathodic protection is not adequate. Repair/modification is necessary as soon as practical, but within the next 90

achieved.

days.

REPAIR & RETEST

X. DESCRIPTION OF UST SYSTEM																		
TANK	PRO	DDUCT		CAPAC	ITY	TANKS				PIPING FLEX CONNECTORS								
1																		
2																		
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		
					!	XI. I	IMPRES	SED	CUR	REN	T REC	TIFIER DA	TA					
_				In order to cor	iduct an eff	fective e	valuation of the	e catho	odic protect	tion syste	em, a comp	lete evaluation of	rectifie	r operatio	n is necessary			
RECTIFIER M	ANUF	ACTURE	R:									RATED DC (DUTP	UT:	VOLTS		3	
RECTIFIER M	ODEL:											RECTIFIER	SERIA	L NUME	BER:			
RECTIFIER O	UTPUT	AS INI	ΓIAL	LY DESIGN	ED OR L	ASTLY	RECOMME	ENDE	D (if avai	lable):		VOLTS		A	MPS			
EVEN	т		D	ATE		AP SETTINGS DC OUTPUT							HOUR			COMMENTS		
"AS FOL			1	1	COARS	SE	FINE	VC	OLTS	Al	MPS	METER	METER SOMMETTS					
"AS LEI			/	-														
7.O EE		CII. IN		· .	CURR	RENT	POSITI	VE 8	& NEG	ATIV	E CIR	CUIT MEA	SUF	REMEI	NTS (OUTPU	T AMERAGE)		
Complete if the												are installed ar						
CIRCUIT		1		2	;	3	4		5		6	7		8	9	10	TOTAL	
ANODE (+)																		
TANK (-)																		
	Х	III. D	ES	CRIPTIC	N OF	CAT	HODIC F	PRO	TECT	ON S	SYSTE	M REPAIR	RS A	ND/O	R MODIF	CATION		
Complete if any r		r modifica	tions	to the cathodi	c protection	n system	are made or a	are nec	cessary. C	ertain re	pairs/modif	ications are requir	red to b	e designe	ed and/or evalua	ted by a corrosion	expert (completion	
Addition	al an	odes fo	or a	n impress	ed curr	ent sy	stem (att	ach o	corrosic	on exp	erts de	sign).						
Repairs	or re	placem	ent	t of rectifie	er (expla	ain in	"Remarks	s/Oth	ner" belo	ow)								
☐ Anode h	neade	r cable	s re	epaired ar	nd/or re	place	d (explain	ı in "F	Remark	s/Oth	er" belo	ow).						
☐ Impress	ed cu	rrent p	rote	ected tank	s/pipin	g not	electricall	y cor	ntinuou	s (exp	olain in '	'Remarks/O	ther"	below	').			
Remarks/0	Othe	r:																
								XIV	. SITE	DR	AWING	i						
was placed findicate the f	or eac	h struct	ure TA	-to-soil pote NKS, ALL	ential that PIPING,	at is re	corded on DISPENSE	the s RS; A	urvey fo ALL BUII	rms. A	Any perti SS AND :	nent data mu	st als LL AN	o be inc	cluded. At a AND WIRE	minimum you S; LOCATION	NOF CP TEST	

AN EVALUATION OF THE CATHODIC PROTECTION SYSTEM IS NOT COMPLETE WITHOUT AN ACCEPTABLE SITE DRAWING

THE APPROPRIATE LINE NUMBER IN SECTION XVI OF THIS FORM.

XV. IMPRESSED CURRENT CATHODIC PROTECTION SYSTEM CONTINUITY SURVEY

- This section shall be utilized to conduct measurements of continuity on UST systems that are protected by cathodic protection systems.
- When conducting a fixed cell-moving ground survey, the reference electrode must be placed in the soil at a remote location and left undisturbed.
- Conduct point-to-point test between any two structures for which the fixed cell-moving ground survey is inconclusive or indicates possible isolation.

For impressed current systems, the protected structure must be continuous with all other protected structures in order to pass the continuity survey.

NOTE: The survey is not complete unless all applicable parts of Sections I – SITE NAME: AI #: XIV are also completed.

DESCRIBE LOCATION OF "FIXED REMOTE" REFERENCE ELECTODE PLACEMENT:

STRUCTURE "B" ²	STRUCTURE "A" ³ FIXED REMOTE INSTANT OFF VOLTAGE	STRUCTURE "B" ⁴ FIXED REMOTE INSTANT OFF VOLTAGE	POINT-TO-POINT ⁵ VOLTAGE DIFFERENCE	ISOLATED / ⁶ CONTINUOUS/ INCONCLUSIVE
(EXAMPLE) PLUS STEEL PRODUCT LINE @ STP	(EXAMPLE) - 915 mV	(EXAMPLE) - 908 mV		(EXAMPLE) INCONCLUSIVE
(EXAMPLE) PLUS STEEL PRODUCT LINE @ STP			(EXAMPLE) 1 mV	(EXAMPLE) CONTINUOUS
	(EXAMPLE) PLUS STEEL PRODUCT LINE @ STP	STRUCTURE "B" 2 FIXED REMOTE	STRUCTURE "B" FIXED REMOTE INSTANT OFF VOLTAGE FIXED REMOTE FIXED REMOTE INSTANT OFF VOLTAGE FIXED REMOTE FIXED RE	STRUCTURE "B" 2 FIXED REMOTE INSTANT OFF VOLTAGE DIFFERENCE (EXAMPLE) (EXAMPLE) (EXAMPLE) (EXAMPLE) (EXAMPLE) - 915 mV - 908 mV

COMMENTS:

- 1 Describe the cathodically protected structure {A} that you are attempting to demonstrate is isolated from unprotected structures (e.g. plus tank bottom).
- 2 Describe the "other" protected structure {B} that you are attempting to demonstrate is continuous (e.g. plus steel product line @ STP).
- 3 Record the fixed remote instant off structure-to-soil potential of the protected structure ("A") in millivolts (e.g. 915 mV).
- 4 Record the fixed remote instant off structure-to-soil potential of the "other" protected structure {"B"} in millivolts (e.g. 908 mV).
- 5 Record the voltage difference observed between structure "A" and structure "B" when conducting point-to-point testing (e.g. 1 mV).
- 6 Document whether the test (fixed cell and/or point-to-point) indicated the protected structure was isolated, continuous, or inconclusive.

401 KAR 42:030 DEP8053/01/06

XVI. IMPRESSED CURRENT CATHODIC PROTECTION SYSTEM SURVEY

- This section shall be utilized to conduct a survey of an impressed current cathodic protection system by obtaining structure-to-soil potential measurements.
- The reference electrode must be placed in the soil directly above the structure that is being tested and as far away from any active anode as practical to obtain a valid structure-to-soil potential (refer to the KDWM outline for the evaluation of underground storage tank cathodic protection systems for detailed discussion of electrode
- Both on and instant off potentials must be measured for each structure that is intended to be under cathodic protection.

The instant off potential must be -850 mV or more negative or the 100mV polarization criterion must be satisfied in order to pass.

NOTE: The survey is not complete unless all applicable parts of SITE NAME: AI #: Sections I - XIV are also completed.

INSTANT

100 mV POLARIZATION

DESCRIBE LOCATION OF REMOTE REFERENCE ELECTODE PLACEMENT:

LOCATION	STRUCTURE 2	CONTACT POINT 3	LOCAL REFERENCE CELL	on ⁵	INSTANT	100 mV POL	PASS/					
CODE			PLACEMENT 4	VOLTAGE	OFF 6	ENDING	VOLTAGE	FAIL 9				
					VOLTAGE 6	VOLTAGE ⁷	CHANGE ⁸					
(EXAMPLE) 1	(EXAMPLE) PLUS TANK	(EXAMPLE) TANK BOTTOM	(EXAMPLE) SOIL @ REG TK STP MANWAY	(EXAMPLE) - 1070 mV	(EXAMPLE) - 875 mV			(EXAMPLE) PASS				
(EXAMPLE)	(EXAMPLE)	(EXAMPLE)	(EXAMPLE)	(EXAMPLE)	(EXAMPLE)	(EXAMPLE)	(EXAMPLE)	(EXAMPLE)				
2	DIESEL PIPING	DISPENSER 7/8	SOIL @ DSL TK MANWAY	- 810 mV	- 680 mV	- 575 mV	105 mV	PASS				
COMMENTS	S:			l.	Į.							
1 Designate nu	merically or by code on the	ne site drawing each local refere	ence electrode placement (e.g. 1,2,3	T-1 T-2 P-1	P-2 etc.)							
		sted (e.g. plus tank, diesel piping		.,,,	, 1 2, 0.0.).							
3 Describe who	ere the structure being tes	sted is contacted by the test lead	d (e.g. plus tank bottom; diesel piping	@ dispenser 7	/8, etc.).							
4 Describe the exact location where the reference electrode is placed for each measurement (e.g. soil @ regular tank STP manway; soil @ dispenser 2, etc.).												
• • •	5 (Applies to all tests) Record the structure-to-soil potential (voltage) observed with the current applied (e.g. – 1070 mV).											
6 (Applies to all tests) Record the structure-to-soil potential (voltage) observed with the current is interrupted (e.g. 680 mV). 7 (Applies to 100 mV polarization test only) Record the voltage observed at the end of the test period (e.g. 575 mV).												
8 {Applies to 100 mV polarization test only} Subtract the final voltage from the instant off voltage (e.g. 680 mV – 575 mV = 105 mV).												
9 Indicate if the tested structure passed or failed one of the two acceptable criteria (850 instant off or 100 mV polarization) based on your interpretation of the data.												
I Certify under penalty of law that the CP Tester signing this survey was at this site on/ (enter date tested)												
and tested my UST system for Cathodic Protection. I realize that this is a test that must be conducted every three years or within 6 months of												
a repair or modification to the system. I certify that the submitted information is true, accurate, and complete. KRS 224.99-010(4) provides for penalties for submitting false information, including the possibility of fine and imprisonment.												
penallies 10												
					1	1						
Owner Signa	iture			Date Sig	/ gned	'						
		have questions on how t	to fill out this form or to reques									

please contact the UST Branch at 502-564-5981 or visit our Web site at www.waste.ky.gov/branches/ust.